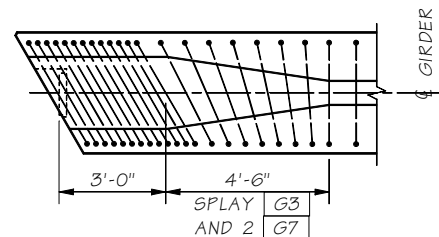


END TYPE A SHOWN, OTHER END TYPES SIMILAR



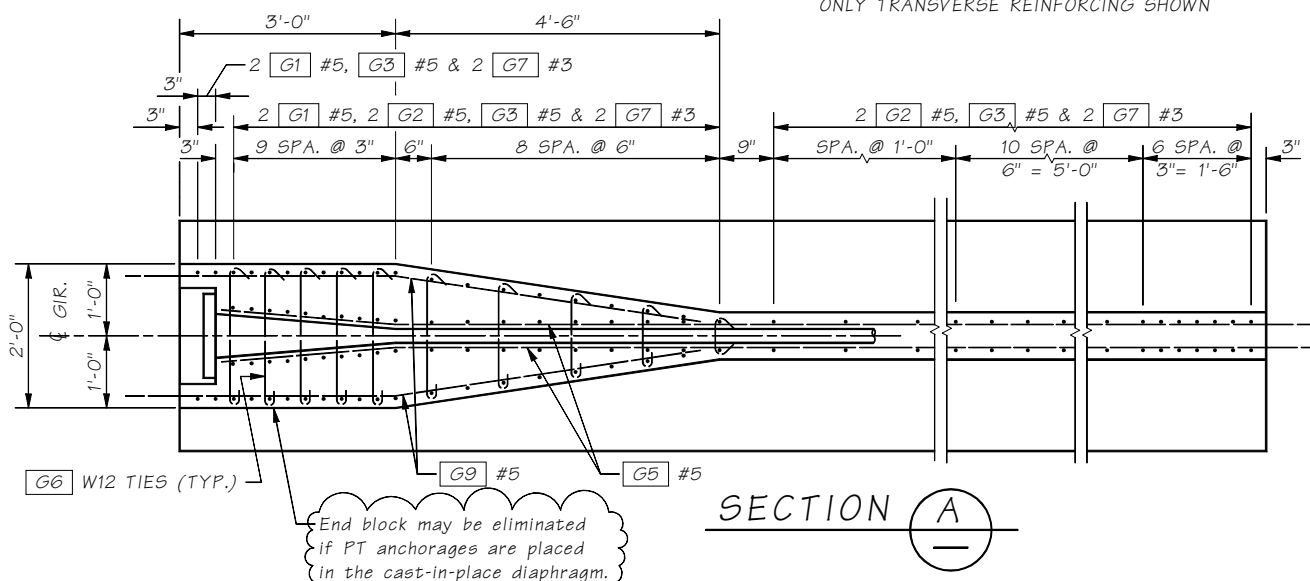
The image displays four technical drawings of a structural connection between a girder and a column, showing reinforcement details and dimensions.

- SECTION C:** A vertical cross-section of the connection. It shows a central vertical column with a horizontal girder intersecting it. The girder has a top flange with reinforcement bars G3 (#5) and a bottom flange with bars G2 (#5). The column has vertical reinforcement bars G1 (#5), G6 (W12 TIES), G9 (#5), G5 (#5), G7 (#3), and G8 (#6). Temporary strands (G4 #5) are shown in the girder. Dimensions include 4" for the top flange width, 1'-4" and 1'-2" for the top flange length, 2" + B1 for the top flange thickness, 1'-3 1/2" for the column width, 6" for the column diameter, 6" + B1 for the bottom flange thickness, and 1'-3" for the bottom flange length. A 6" RECESS is indicated at the bottom of the column. A 1" CLR. (TYP.) is shown for the girder reinforcement.
- SECTION D:** A vertical cross-section of the connection, similar to Section C but with different dimensions. It shows a central vertical column with a horizontal girder intersecting it. The girder has a top flange with reinforcement bars G3 (#5) and a bottom flange with bars G2 (#5). The column has vertical reinforcement bars G1 (#5), G6 (W12 TIES), G9 (#5), G5 (#5), G7 (#3), and G8 (#6). Temporary strands (G4 #5) are shown in the girder. Dimensions include 4'-2 3/4" for the top flange width, 1'-2" and 1'-4" for the top flange length, 2" + B1 for the top flange thickness, 1'-3 1/2" for the column width, 6" for the column diameter, 6" + B1 for the bottom flange thickness, and 1'-3" for the bottom flange length. A 6" RECESS is indicated at the bottom of the column. A 1" CLR. (TYP.) is shown for the girder reinforcement.
- VIEW B:** A top-down view of the connection. It shows the top flange of the girder with reinforcement bars G3 (#5) and the top flange of the column with reinforcement bars G1 (#5). Dimensions include 4" for the top flange width, 1'-4" and 1'-2" for the top flange length, and 4" for the top flange thickness.
- VIEW E:** A top-down view of the connection, similar to View B but with different dimensions. It shows the top flange of the girder with reinforcement bars G3 (#5) and the top flange of the column with reinforcement bars G1 (#5). Dimensions include 4'-2 3/4" for the top flange width, 1'-2" and 1'-4" for the top flange length, and 4" for the top flange thickness.

1. PLAN LENGTH SHALL BE INCREASED AS NECESSARY TO COMPENSATE FOR SHORTENING DUE TO PRESTRESS AND SHRINKAGE.
2. ALL PRETENSIONED AND TEMPORARY STRANDS SHALL BE [$\frac{1}{8}"$ OR $0.6"$] LOW RELAXATION STRANDS (AASHTO M203 GRADE 270.)
3. FOR END TYPES A, C, D AND E CUT ALL STRANDS FLUSH WITH THE GIRDER ENDS AND PAINT WITH AN APPROVED EPOXY RESIN, EXCEPT FOR EXTENDED STRANDS AS SHOWN. FOR END TYPE B CUT ALL STRANDS 1" BELOW CONCRETE SURFACE AND GROUT WITH AN APPROVED EPOXY GROUT.
4. THE TOP SURFACE OF THE GIRDER FLANGE SHALL BE ROUGHENED IN ACCORDANCE WITH SECTION 6-02.3(25)H OF THE STANDARD SPECIFICATIONS.
5. LIFTING EMBEDMENTS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 6-02.3(25)J OF THE STANDARD SPECIFICATIONS. CONTRACTOR TO DESIGN OTHER LIFTING MECHANISM IF THE GIRDER SECTION WEIGHT EXCEEDS 200 KIPS.
6. CAUTION SHALL BE EXERCISED IN HANDLING AND PLACING GIRDERS. ALL GIRDERS SHALL BE CHECKED BY THE CONTRACTOR TO ENSURE THAT THEY ARE BRACED ADEQUATELY TO PREVENT TIPPING AND TO CONTROL LATERAL BENDING DURING SHIPPING. ONCE ERECTED, ALL GIRDERS SHALL BE BRACED LATERALLY TO PREVENT TIPPING UNTIL THE DIAPHRAGMS ARE CAST AND CURED.
7. FORMS FOR BEARING PAD RECESSES SHALL BE CONSTRUCTED AND FASTENED IN SUCH A MANNER AS TO NOT CAUSE DAMAGE TO THE GIRDER DURING THE STRAND RELEASE OPERATION.

TRANSVERSE REINFORCING AT SKEWED ENDS

ONLY TRANSVERSE REINFORCING SHOWN



End block may be eliminated if PT anchorages are placed in the cast-in-place diaphragm.

Bridge Design Engr.		M. Standards Orders RT Wide Flange WF74PTG2.MAN				REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor						10	WASH.			
Designed By										
Checked By										
Detailed By										
Bridge Projects Engr.						JOB NUMBER				
Prelim. Plan By										
Architect/Specialist	DATE	REVISION			BY	APP'D				

Tue Apr 29 13:46:51 2008

BRIDGE
AND
STRUCTURES
OFFICE



**Washington State
Department of Transportation**

STANDARD PRESTRESSED CONCRETE GIRDERS

WF74PTG SPLICED GIRDER
DETAILS 2 OF 5

RIDGE
 SHEET
 NO.
 SHEET
 OF
 SHEETS

5.9-A1-4